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Deepwater Response  
Sediment Results

Analyte	Units	Deepwater Horizon Marine Sediment Screening Levels	OW Benchmarks - Sediment Screening Chronic	0033-100608	0034-100608	0034-100608	0035-100608	0040-100609	0041-100609	SC030-100613
				T008-0033-100608-SD-1 6/8/2010 Field Sample	T008-0034-100608-SD-1 6/8/2010 Field Sample	T008-0034-100608-SD-2 6/8/2010 Field Sample	T008-0035-100608-SD-1 6/8/2010 Field Sample	T008-0040-100609-SD-1 6/9/2010 Field Sample	T008-0041-100609-SD-1 6/9/2010 Field Sample	T005-SC030-100613-SD-1 6/13/2010 Field Sample
<b>Metals</b>										
Aluminum	mg/kg	0		2470	2710	3450	3270	1070	1890	1890
Antimony	mg/kg	0		0.33 U	0.32 U	0.34 U	0.35 U	0.35 UJ	0.33 UJ	0.14 UJ
Arsenic	mg/kg	7.24		3.9	3.7	4.8	2.3 J	2.3 J	2.3 J	4.8 J
Barium	mg/kg	0		18.8 J	41.5	26.6	40.3	8.7 J	34.8	36
Beryllium	mg/kg	0		0.18 J	0.17 J	0.24 J	0.18 J	0.073 J	0.12 J	0.11 J
Cadmium	mg/kg	0.68		0.055 J	0.08 J	0.11 J	0.11 J	0.05 U	0.048 U	0.068 U
Calcium	mg/kg	0		38200	15700	12500	6100	41400	7980	3770 J
Chromium	mg/kg	52.3		5.1	5.7	6.8	6.3	2	3.9	3.6
Cobalt	mg/kg	0		4.4 J	4.6 J	5.9 J	4.1 J	2.5 J	3.5 J	4.4
Copper	mg/kg	18.7		1.6 J	1.6 J	2 J	1.9 J	2.3 J	2.5 J	3.4
Iron	mg/kg	0		9280	9420	12300	8000	3790	6010	3790 J
Lead	mg/kg	30.2		5.6	5.3	6.8	4.4	2.9	4.1	6.3
Magnesium	mg/kg	0		2990	3790	4230	4440	1090	2390	1540
Manganese	mg/kg	0		227	242	297	313	96.2 J	178 J	40.8
Mercury	mg/kg	0.13		0.013 U	0.013 U	0.014 U	0.014 U	0.013 U	0.014 U	0.024 J
Nickel	mg/kg	15.9	20.9	6.3	6.8	8.2	6.3	2.8 J	4.7 J	8.5
Potassium	mg/kg	0		1010 J	1000 J	1240	1070 J	499 J	644 J	597 J
Selenium	mg/kg	0		0.39 U	0.38 U	0.4 U	0.41 U	0.41 U	0.4 U	0.27 U
Silver	mg/kg	0.73		0.048 U	0.047 U	0.072 J	0.079 J	0.069 J	0.048 U	0.068 U
Sodium	mg/kg	0		1930	1580	1790	1820	2100	1940	2310
Thallium	mg/kg	0		0.36 U	0.35 U	0.36 U	0.37 U	0.37 U	0.36 U	0.14 U
Vanadium	mg/kg	0	57	10.2	10.3	12.8	10	3.4 J	6.6	7.2
Zinc	mg/kg	124		34.3	35.5	44.9	29.7	17.2 J	22.3 J	19.9
<b>SVOCs</b>										
2,2,4-Trichlorobenzene	mg/kg	0.473		0.0093 U	0.0094 U	0.0095 U	0.0093 U	0.0094 U	1.1 U	
2,2-Dichlorobenzene	mg/kg	0.989		0.01 U	2.3 U					
1,3-Dichlorobenzene	mg/kg	0.842		0.0094 U	0.0094 U	0.0095 U	0.0096 U	0.0094 U	0.0095 U	2.3 U
1,4-Dichlorobenzene	mg/kg	0.46		0.0078 U	0.0079 U	0.0079 U	0.0080 U	0.0078 U	0.0079 U	2.3 U
2,4,5-Trichlorophenol	mg/kg	0.819		0.041 U	0.041 U	0.041 U	0.042 U	0.041 U	0.041 U	1.1 U
2,4,6-Trichlorophenol	mg/kg	2.65		0.033 U	0.033 U	0.033 U	0.034 U	0.033 U	0.033 U	1.1 U
2,4-Dichlorophenol	mg/kg	0		0.056 U	0.057 U	0.057 U	0.058 U	0.057 U	0.057 U	1.1 U
2,4-Dimethylphenol	mg/kg	0		0.059 U	0.059 U	0.059 U	0.06 U	0.059 U	0.059 U	1.3 U
2,4-Dinitrophenol	mg/kg	0		0.043 U	0.043 U	0.043 U	0.044 U	0.043 U	0.043 U	11 U
2,4-Dinitrotoluene	mg/kg	0		0.015 U	0.015 U	0.015 U	0.016 U	0.015 U	0.015 U	1.1 U
2,6-Dinitrotoluene	mg/kg	0		0.013 U	0.013 U	0.013 U	0.014 U	0.013 U	0.013 U	1.1 U
2-Chloronaphthalene	mg/kg	0		0.011 U	1.1 U					
2-Chlorophenol	mg/kg	0.344		0.035 U	0.036 U	0.036 U	0.036 U	0.035 U	0.036 U	1.1 U
2-Methylnaphthalene	mg/kg	0.0202		0.001 U	0.0011 U	0.0011 U	0.0011 U	0.001 U	0.0011 U	0.72 U
2-Methylphenol	mg/kg	0		0.04 U	0.04 U	0.04 U	0.041 U	0.04 U	0.04 U	1.1 U
2-Nitroaniline	mg/kg	0		0.015 U	0.016 U	0.016 U	0.016 U	0.015 U	0.016 U	2.3 U
2-Nitrophenol	mg/kg	0		0.037 U	0.037 U	0.037 U	0.038 U	0.037 U	0.037 U	1.1 U
384-Methylphenol	mg/kg			0.045 U	1.1 U					
3,3'-Dichlorobenzidine	mg/kg	2.06		0.0089 U	0.009 U	0.009 U	0.0091 U	0.0089 U	0.009 U	2.3 U
3-Nitroaniline	mg/kg	0		0.014 U	2.3 U					
4,6-Dinitro-o-cresol	mg/kg	0		0.043 U	0.043 U	0.043 U	0.044 U	0.043 U	0.043 U	1.1 U
4-Bromophenyl phenyl ether	mg/kg	0		0.013 U	1.1 U					
4-Chloro-3-methyl phenol	mg/kg			0.035 U	0.035 U	0.035 U	0.036 U	0.035 U	0.035 U	1.1 U
4-Chloroaniline	mg/kg	0		0.011 U	1.1 U					
4-Chlorophenyl phenyl ether	mg/kg	0		0.011 U	1.1 U					
4-Nitroaniline	mg/kg	0		0.014 U	2.3 U					
4-Nitrophenol	mg/kg	0		0.059 U	0.06 U	0.06 U	0.06 U	0.059 U	0.06 U	11 U
Acenaphthene	mg/kg	0.00671		0.00047 U	0.00048 U	0.00048 U	0.00048 U	0.00047 U	0.00048 U	1.4 U
Acenaphthylene	mg/kg	0.00587		0.001 U	1.4 U					
Anthracene	mg/kg	0.0469		0.00036 U	0.72 U					
Benz(a)anthracene	mg/kg	0.0748		0.00046 U	0.00047 U	0.00047 U	0.00046 U	0.00047 U	1.91	
Benz(a)pyrene	mg/kg	0.0888		0.00053 U	0.00053 U	0.00053 U	0.00054 U	0.00053 U	0.00053 U	0.29 U
Benz(b)fluoranthene	mg/kg	0		0.0017 U	0.0017 U	0.0017 U	0.0018 U	0.0017 U	0.0017 U	0.314 J
Benz(g,h)perylene	mg/kg	0		0.0013 U	0.0013 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.29 U
Benz(k)fluoranthene	mg/kg	0		0.00084 U	0.29 U					
Benzic acid	mg/kg	0		0.064 U	0.064 U	0.064 U	0.065 U	0.064 U	0.064 U	11 U
Benzyl Alcohol	mg/kg	0		0.015 U	1.1 U					
bis(2-Chloroethoxy)methane	mg/kg	0		0.014 U	1.1 U					
bis(2-Chloroethyl)ether	mg/kg	0		0.011 U	1.1 U					
bis(2-Chloroisopropyl)ether	mg/kg	0		0.01 U	0.01 U	0.01 U	0.011 U	0.01 U	0.01 U	1.1 U
bis(2-Ethylhexyl)phthalate	mg/kg	0		0.031 U	0.031 U	0.031 U	0.032 U	0.031 U	0.031 U	5.7 U
bis(2-Ethylhexyl)phthalate	mg/kg	0.182		0.031 U	0.031 U	0.031 U	0.032 U	0.031 U	0.031 U	5.7 U
Butyl benzyl phthalate	mg/kg	16.8		0.02 U	0.02 U	0.02 U	0.021 U	0.02 U	0.02 U	2.3 U
Carbazole	mg/kg			0.016 U	0.016 U	0.016 U	0.017 U	0.016 U	0.016 U	1.1 U
Chrysene	mg/kg	0.108		0.00047 U	0.00048 U	0.00048 U	0.00048 U	0.00047 U	0.00048 U	0.923
Dibenzo(a,h)anthracene	mg/kg	0.00622		0.001 U	0.29 U					
Dibenzofuran	mg/kg	7.3		0.01 U	0.01 U	0.01 U	0.011 U	0.01 U	0.01 U	1.1 U

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Diethyl phthalate	mg/kg	0.218		0.012 U	5.7 U					
Dimethyl phthalate	mg/kg	0		0.012 U	0.012 U	0.012 U	0.013 U	0.012 U	0.012 U	2.3 U
Di-n-butyl phthalate	mg/kg	1.16		0.0078 U	0.0078 U	0.0078 U	0.0079 U	0.0078 U	0.0078 U	2.3 U
Di-n-octyl phthalate	mg/kg	0		0.017 U	2.3 U					
Fluoranthene	mg/kg	0.113		0.00035 U	0.72 U					
Fluorene	mg/kg	0.0212		0.00043 U	0.00043 U	0.00043 U	0.00044 U	0.00043 U	0.00043 U	1.4 U
Hexachlorobenzene	mg/kg	0		0.011 U	0.011 U	0.012 U	0.012 U	0.011 U	0.012 U	1.1 U
Hexachlorobutadiene	mg/kg	0		0.0097 U	0.0098 U	0.0098 U	0.0099 U	0.0098 U	0.0098 U	1.1 U
Hexachlorocyclopentadiene	mg/kg	0.139		0.036 U	1.1 U					
Hexachloroethane	mg/kg	0.804		0.0097 U	0.0098 U	0.0098 U	0.0099 U	0.0098 U	0.0098 U	2.9 U
Indeno[1,2,3-cd]pyrene	mg/kg	0		0.0014 U	0.29 U					
Isophorone	mg/kg	0		0.0094 U	0.0095 U	0.0095 U	0.0096 U	0.0094 U	0.0095 U	1.1 UJ
Naphthalene	mg/kg	0.0346		0.0008 U	0.00081 U	0.00081 U	0.00082 U	0.0008 U	0.00081 U	0.72 U
Nitrobenzene	mg/kg	0		0.01 U	1.1 U					
N-Nitroso-di-n-propylamine	mg/kg	0		0.0086 U	0.0086 U	0.0086 U	0.0087 U	0.0086 U	0.0086 U	1.1 U
N-Nitrosodiphenylamine	mg/kg	422		0.021 U	1.1 U					
Pentachlorophenol	mg/kg	7.97		0.06 U	0.06 U	0.06 U	0.061 U	0.06 U	0.06 U	11 U
Phenanthrene	mg/kg	0.0867		0.00054 U	0.00055 U	0.00055 U	0.00055 U	0.00054 U	0.00055 U	0.798 J
Phenol	mg/kg	0		0.037 U	0.037 U	0.037 U	0.038 U	0.037 U	0.037 U	1.1 U
Pyrene	mg/kg	0.153		0.0004 U	0.0004 U	0.0004 U	0.00041 U	0.0004 U	0.0004 U	0.72 U
<b>TOC</b>										
Total Organic Carbon	mg/kg			2500	900 U	900 U	910 U	1120 J	910 U	36500 J
<b>TPH</b>										
TPH (>C28-C35)	mg/kg									14800
TPH (C10-C28)	mg/kg									10500
TPH-DRO (C10-C28)	mg/kg			3.6 U						
TPH-GRO (C6-C10)	mg/kg			3.6 U	3.7 U	3.7 U	3.8 U	3.6 U	3.6 U	5.9 U
TPH-ORO (>C28-C35)	mg/kg			3.6 U	3.6 U	3.7 U	3.7 U	3.6 U	3.7 U	
<b>VOCs</b>										
1,1,1-Trichloroethane	mg/kg	0.856			0.00014 U	0.00015 U	0.00016 U	0.00017 U	0.00016 U	0.0034 U
1,1,2,2-Tetrachloroethane	mg/kg	0.202			0.00032 U	0.00034 U	0.00032 U	0.00037 U	0.00039 U	0.0025 U
1,1,2-Trichloroethane	mg/kg	0.57			0.0002 U	0.00022 U	0.0002 U	0.00023 U	0.00024 U	0.0025 U
1,1-Dichloroethane	mg/kg	0			0.00015 U	0.00016 U	0.00015 U	0.00017 U	0.00018 U	0.0028 U
1,1-Dichloroethylene	mg/kg	2.78			0.00071 U	0.00077 U	0.00072 U	0.00083 U	0.00087 U	0.0043 U
1,1-Dichloropropane	mg/kg	2.78								
1,2-Dichloroethane	mg/kg	0			0.00037 U	0.0004 U	0.00038 U	0.00043 U	0.00045 U	0.00043 U
1,2-Dichloropropane	mg/kg	0			0.00014 U	0.00015 U	0.00014 U	0.00016 U	0.00017 U	0.0019 U
2-Butanone (MEK)	mg/kg	0			0.021 U	0.023 U	0.023 U	0.025 U	0.026 U	0.025 U
2-Hexanone	mg/kg	0			0.001 U	0.0011 U	0.001 U	0.0012 U	0.0013 U	0.022 U
4-Methyl-2-pentanone	mg/kg	0								0.016 U
4-Methyl-2-pentanone(MBK)	mg/kg	0			0.00088 U	0.00095 U	0.00088 U	0.001 U	0.0011 U	0.001 U
Acetone	mg/kg	0			0.0024 U	0.0026 U	0.0024 U	0.0028 U	0.0029 U	0.0028 U
Benzene	mg/kg	0.137			0.00037 U	0.0004 U	0.00037 U	0.00043 U	0.00045 U	0.0019 U
Bromodichloromethane	mg/kg	0			0.00028 U	0.0003 U	0.00028 U	0.00032 U	0.00034 U	0.0019 U
Bromoform	mg/kg	1.31			0.00016 U	0.00018 U	0.00016 U	0.00019 U	0.0002 U	0.0019 U
Bromomethane	mg/kg	0			0.00044 U	0.00047 U	0.00044 U	0.00051 U	0.00053 U	0.0051 U
Carbon disulfide	mg/kg	0			0.00033 U	0.00036 U	0.00033 U	0.00038 U	0.0004 U	0.0038 U
Carbon tetrachloride	mg/kg	7.24			0.0006 U	0.00065 U	0.0006 U	0.0007 U	0.00073 U	0.0069 U
Chlorobenzene	mg/kg	0.162			0.00037 U	0.0004 U	0.00037 U	0.00043 U	0.00045 U	0.0019 U
Chloroethane	mg/kg	0			0.0011 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0038 U
Chloroform	mg/kg	0			0.00034 U	0.00037 U	0.00035 U	0.0004 U	0.00042 U	0.0004 U
Chloromethane	mg/kg	0			0.00018 U	0.00019 U	0.00018 U	0.00021 U	0.00022 U	0.00021 U
cis-1,2-Dichloroethene	mg/kg	0			0.00026 U	0.00028 U	0.00026 U	0.0003 U	0.00031 U	0.0003 U
cis-1,2-Dichloroethylene	mg/kg	0								0.0019 U
cis-1,3-Dichloropropene	mg/kg	0			0.00014 U	0.00016 U	0.00014 U	0.00017 U	0.00017 U	0.0019 U
Dibromochloromethane	mg/kg	0			0.00012 U	0.00013 U	0.00012 U	0.00014 U	0.00014 U	0.0032 U
Ethylbenzene	mg/kg	0.305			0.0004 U	0.00043 U	0.0004 U	0.00047 U	0.00049 U	0.0021 U
Methyl bromide	mg/kg	0								0.0038 U
Methyl chloride	mg/kg	0								0.0047 U
Methyl ethyl ketone	mg/kg	0								0.0485 J
Methylene chloride	mg/kg	0			0.00024 U	0.00026 U	0.00024 U	0.00028 U	0.00029 U	0.00028 U
Styrene	mg/kg	7.07			0.00012 U	0.00013 U	0.00012 U	0.00013 U	0.00014 U	0.0019 U
Tetrachloroethene	mg/kg	0.19			0.00016 U	0.00017 U	0.00016 U	0.00018 U	0.00019 U	0.00018 U
Tetrachloroethylene	mg/kg	0.19								0.0034 U
Toluene	mg/kg	1.09			0.00032 U	0.00034 U	0.00032 U	0.00037 U	0.00038 U	0.00037 U
trans-1,2-Dichloroethene	mg/kg	0			0.00048 U	0.00053 U	0.00049 U	0.00057 U	0.00059 U	0.00056 U
trans-1,2-Dichloroethylene	mg/kg	0								0.0036 U
trans-1,3-Dichloropropene	mg/kg	0			0.0001 U	0.00011 U	0.0001 U	0.00012 U	0.00013 U	0.00012 U
Trichloroethene	mg/kg	8.95			0.00057 U	0.00062 U	0.00057 U	0.00066 U	0.00069 U	0.00066 U
Trichloroethylene	mg/kg	8.95								0.003 U
Vinyl chloride	mg/kg	0			0.00019 U	0.00021 U	0.00019 U	0.00022 U	0.00023 U	0.00022 U
Xylene (total)	mg/kg	0			0.00051 U	0.00055 U	0.00051 U	0.00059 U	0.00062 U	0.00059 U